2022-23

PROJECT MANAGEMENT CONSULTANCY REPORT

Name of the Client: Executive Engineer, (Electrical) Rajarajeshwari Nagar Zone, BBMP, Bangalore.

Agency: M/s. Kumar Electricals, Contractor, Bangalore.

Name of the Work: Providing LED Street Lights Fittings with connected accessories in ward no. 16, 17, and 37 and releasing of sodium vapour lights from ward no. 16, 17,37 and refixing at ward no.73 and 129 under RR Nagar Zone, BBMP, Bangalore.

Quality

M/s. CIVIL QUALITY CONSULTANTS& ENGINEERS

(Buildings Geo-Tech &Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2017 Laboratory

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CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Name of Work : Providing LED Street Lights Fittings with connected accessories in ward no. 16, 17, and 37 and releasing of sodium vapour lights from ward no. 16, 17,37 and refixing at ward no.73 and 129 under RR Nagar Zone, BBMP, Bangalore.

Name of Client	:	**Executive Engineer,** (Electrical) Rajarajeshwari Nagar Zone, BBMP, Bangalore.
Contractor/Agency	:	**M/s. Kumar Electricals,** Contractor, Bangalore.
Total Cost	:	Rs. 137.24 Lakhs
Date of Inspection	:	08.08.2022
Work Order Number	:	EE/ELE/RRN/Work order/32/22-23
Status of Bill	:	2nd and Final Bill
In the Presence of	:	(a) **Assistant Engineer (W.No.16,17 and 37),** BBMP, Bangalore.
	:	(b) Mr. S M Sathya Narayana, (Electrical Engineer)
	:	M/S Civil Quality Consultants and Engineers, Bangalore

Verified by.

Sl.No	Description of the Item		Comments / observations
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp	:	Work done up to the billed quantity and Quality is satisfactory
2	LED Streetlight 90 Watts	:	Work done up to the billed quantity and Quality is satisfactory
3	LED Streetlight 120 Watts	:	Work done up to the billed quantity and Quality is satisfactory

For CIVIL QUALITY CONSULTANTS & ENGINEE

Authorised Signatory

Sl.No	Description of the Item		Comments / observations
4	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp	:	Work done up to the billed quantity and Quality is satisfactory
5	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring	:	Work done up to the billed quantity and Quality is satisfactory
6	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which	:	Work done up to the billed quantity and Quality is satisfactory
7	Fabricating, supplying and erecting swaged tubular pole of height …Mtr having three sections, and providing two coats of red oxide	:	Work done up to the billed quantity and Quality is satisfactory
8	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M.	:	Work done up to the billed quantity and Quality is satisfactory
9	Double bracket 2x1.5 Mtr length	:	Work done up to the billed quantity and Quality is satisfactory
10	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or	:	Work done up to the billed quantity and Quality is satisfactory
1	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-	:	Work done up to the billed quantity and Quality is satisfactory
2	4 core 16 sqmm	:	Work done up to the billed quantity and Quality is satisfactory
	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall	:	Work done up to the billed quantity and Quality is satisfactory
	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.	:	Work done up to the billed quantity and Quality is satisfactory
	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.In soil	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item		Comments / observations
16	Supplying and fixing of solar lux level street light control switch single phase including suitable capacity contactor. 5KW	:	Work done up to the billed quantity and Quality is satisfactory
17	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve,	:	Work done up to the billed quantity and Quality is satisfactory
18	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate	:	Work done up to the billed quantity and Quality is satisfactory
19	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts,	:	Work done up to the billed quantity and Quality is satisfactory
20	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2	:	Work done up to the billed quantity and Quality is satisfactory
21	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable	:	Work done up to the billed quantity and Quality is satisfactory
22	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on	:	Work done up to the billed quantity and Quality is satisfactory
23	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 25 sqmm Long Barrel	:	Work done up to the billed quantity and Quality is satisfactory
24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance	:	Work done up to the billed quantity and Quality is satisfactory
25	Supplying & Fixing of 250W/400W High Pressure Sodium Vapour tubular Lamp with Xenon filled gas with luminous efficiency of	:	Work done up to the billed quantity and Quality is satisfactory
	Supplying and stringing of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded	:	Work done up to the billed quantity and Quality is satisfactory
	Supplying and fixing pole clamp for LT AB Cable	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item		Comments / observations
28	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook) (material cost + labour charges)	:	Work done up to the billed quantity and Quality is satisfactory
29	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm (excluding pole clamps and Eye hook) (material cost + labour charges)	:	Work done up to the billed quantity and Quality is satisfactory
30	Universal Hook, Bolts & nuts including fixing charges (material cost + labour charges)	:	Work done up to the billed quantity and Quality is satisfactory
31	Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections including fixing charges (material cost +	:	Work done up to the billed quantity and Quality is satisfactory
32	Supplying and Fixing ….. including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC	:	Work done up to the billed quantity and Quality is satisfactory
33	PCC Clamp	:	Work done up to the billed quantity and Quality is satisfactory
34	Releasing and refixing of sodium vapour/ metal halide/ LED street light/ Flood light fittings over the existing pole/ wall/ ceiling	:	Work done up to the billed quantity and Quality is satisfactory

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